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ABSTRACT OF THE DISCLOSURE

The present invention provides a surface-mounted LED that is easy to be made thin and having high reliability, as well as provides its
5 manufacturing method.

Specifically, the present invention provides a light-emitting diode having a light-emitting diode chip mounted on a surface of a printed substrate, this light-emitting diode chip comprising a substrate; a semiconductor layer laminated on the substrate and comprising an
10 N-type semiconductor layer and a P-type semiconductor layer, wherein its PN junction surface is perpendicular to the surface of the printed substrate and a portion in the vicinity of the PN junction surface is rendered to be a light-emitting portion; a pair of electrodes that applies voltage to the semiconductor layer; and a light reflecting layer formed
15 on the front surface or back surface of the light-emitting chip or in the chip so as to be approximately parallel to the PN junction surface, this light reflecting layer reflecting light emitted from the light-emitting portion.